

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/721,414

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE



- | | | |
|----|-----------------------------------|---|
| 1 | WRAPPED NUCLEICS | The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 2 | WRAPPED AMINOS | The amino acid-number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 3 | INCORRECT LINE LENGTH | The rules require that a line not exceed 72 characters in length. This includes spaces. |
| 4 | MISALIGNED AMINO ACID NUMBERING | The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers. |
| 5 | NON-ASCII | This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed. |
| 6 | VARIABLE LENGTH | Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing. |
| 7 | PATENTIN ver. 2.0 "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 8 | SKIPPED SEQUENCES (OLD RULES) | Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). |
| 9 | SKIPPED SEQUENCES (NEW RULES) | Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 10 | USE OF N'S OR XAA'S (NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 11 | USE OF <213> ORGANISM (NEW RULES) | Sequence(s) _____ are missing this mandatory field or its response. |
| 12 | USE OF <220> FEATURE (NEW RULES) | Sequence(s) _____ are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules) |
| 13 | PATENTIN ver. 2.0 "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk. |



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/721,414

DATE: 12/07/2000
TIME: 11:53:43

Input Set : A:\PTO.txt
Output Set: H:\CRF3\12072000\I721414.raw

Does Not Comply
Corrected Diskette Needed

see pp 2-3, too

FYI: per

1.823 of

new sequence

*✓ Rules, use
C2217 notes*

*describing n or Xaa
in the sequence.*

3 <110> APPLICANT: Suga, Hiroaki
W--> 4 <120> TITLE OF INVENTION: Catalytic RNAs with Aminoacylation Activity
W--> 5 <130> FILE REFERENCE: 11520.0222
OK 6 <140> CURRENT APPLICATION NUMBER: US/09/721,414
W--> 6 <141> CURRENT FILING DATE: 2000-11-22
W--> 6 <160> NUMBER OF SEQ ID: 22
W--> 7 <210> SEQ ID NO: 1
8 <211> LENGTH: 110
9 <212> TYPE: DNA
10 <213> ORGANISM: artificial sequence
W--> 11 <220> FEATURE:
12 <222> LOCATION: 21-99 *89-90* ✓
13 <223> OTHER INFORMATION: synthetic oligonucleotide containing random pool of 70
14 nucleotides
W--> 15 <400> SEQUENCE: 1
OK 17 ggatcgtagcag tgcattgaga nnnnnnnnnn nnnnnnnnnn 40
W--> 18 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 80
OK 19 nnnnnnnnnn ggtggtatcc ccaaggggta 110
21 <210> SEQ ID NO: 2
22 <211> LENGTH: 76
23 <212> TYPE: DNA
24 <213> ORGANISM: artificial sequence
OK 25 <220> FEATURE:
26 <223> OTHER INFORMATION: completely synthesized primer complementary to the otrNAGln
OK 27 <400> SEQUENCE: 2
29 tggctgcggt acgaggtatc aaacctcgga atgacggatt 40
30 tagaaatccg gtcccttacc ccttggggat accacc 76
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 52
35 <212> TYPE: DNA
36 <213> ORGANISM: artificial sequence
W--> 37 <220> FEATURE:
OK 38 <223> OTHER INFORMATION: 5' primer containing T7 promoter sequence
W--> 39 <400> SEQUENCE: 3
41 ggtaacacgc atatgtata cgaactacta taggatcgtc 40
42 agtgcattga ga 52
44 <210> SEQ ID NO: 4
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: artificial sequence
OK 48 <220> FEATURE:
49 <223> OTHER INFORMATION: 3' completely synthesized primer
OK 50 <400> SEQUENCE: 4
52 tggctgcggt acgaggtatc 20
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 146
57 <212> TYPE: RNA

RAW SEQUENCE LISTING
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Input Set : A:\PTO.txt
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OK 58 <213> ORGANISM: artificial sequence
59 <220> FEATURE:
W--> 60 <223> OTHER INFORMATION: pre-12 catalytic RNA
61 <400> SEQUENCE: 5
63 ggauugcag uqcaugaga uuuccgcagc ccuucucacu 40
64 aacggugggu cauggguauu ggcguuaggu gcgggaugcu 80
65 acgcuggugg uauccccaag quuacgggac cggacaauucg 120
66 agauucgaau ccucguaccg cagcca 146
69 <210> SEQ ID NO: 6
70 <211> LENGTH: 151
71 <212> TYPE: RNA
72 <213> ORGANISM: artificial sequence
W--> 73 <220> FEATURE:
74 <222> LOCATION: 12
75 <223> OTHER INFORMATION: pre-38 catalytic RNA
OK 76 <400> SEQUENCE: 6
78 ggauugcag uqcaugaga uuuccgcagc ccuucucacu 40
79 aacggugggu cauggguauu ggcguuaggu gcgggaugcu 80
80 uacuacgcug guuguauccc caaggguacg ygaccggauc 120
81 auucgagauu cgaauccucg uaccgcaqcc a 151
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 150
86 <212> TYPE: RNA
87 <213> ORGANISM: artificial sequence
W--> 88 <220> FEATURE:
OK 89 <223> OTHER INFORMATION: pre-29 catalytic RNA
90 <400> SEQUENCE: 7
92 ggauugcag uqcaugaga uuuccgcagc ccuucucacu 40
93 uacggugggu ucauggguauu ggcguuaggu gcgggaugcu 80
94 uacuacgcug guuguauccc caaggguacg ygaccggauc 120
95 uucgagauuc gaauccucgu accgcagcca 150
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 150
99 <212> TYPE: RNA
100 <213> ORGANISM: artificial sequence
OK 101 <220> FEATURE:
102 <223> OTHER INFORMATION: pre-36 catalytic RNA
W--> 103 <400> SEQUENCE: 8
105 ggauugcag uqcaugaga uuuccgcagc ccuucucacu 40
106 aacggugggu cauggguauu ggcguuaggu gcgggaugcu 80
107 acuacgcug uquauccccc aaqqquacg ygaccggauc 120
108 uucgagauuc gaauccucgu accgcagcca 150
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 150
112 <212> TYPE: RNA
113 <213> ORGANISM: artificial sequence
OK 114 <220> FEATURE:
115 <223> OTHER INFORMATION: pre-24 catalytic RNA
W--> 116 <400> SEQUENCE: 9

what does "N" represent,
since <223> response
describes "artificial sequence"
response in <213>?

see item 10 on
Erra summary
sheet

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Input Set : A:\PTO.txt
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OK 117 ggaucgucag ugcauugaga uuuccgcagg ccuucucac 40
 118 uaacgguggg ucauggguau uggcguuagg ugcgggaugc 80
 119 uacuacgcug gugguaucac caagguuacg gaccggaca 120
 120 uucgagauuc aaucucgcu accgcagcca 150
 122 <210> SEQ ID NO: 10
 123 <211> LENGTH: 149
 124 <212> TYPE: RNA
 125 <213> ORGANISM: artificial Sequence
 OK 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: pre-25 catalytic RNA
 W-- 128 <400> SEQUENCE: 10
 130 ggaucgucag ugcauugaga uuuccgcagg ccuucucacu 40
 131 aacggugggu cauggguauu ggcguuagg ggcggauacu 80
 132 acuacgcugg ugguauucac aagguuacg gaccggacu 120
 133 ucgagauucg aaucucgcu accgcagcca 149
 136 <210> SEQ ID NO: 11
 137 <211> LENGTH: 149
 138 <212> TYPE: RNA
 139 <213> ORGANISM: artificial Sequence
 OK 140 <220> FEATURE:
 141 <223> OTHER INFORMATION: pre-22 catalytic RNA
 W-- 142 <400> SEQUENCE: 11
 144 ggaucgucag ugcauugaga uuuccgcagg ccuucucacu 40
 145 aacggugggu cauggguauu ggcguuagg ggcggauacu 80
 146 acuacgcugg ugguauucac aagguuacg gaccggacu 120
 147 ucgagauucg aaucucgcu accgcagcca 149
 150 <210> SEQ ID NO: 12
 151 <211> LENGTH: 149
 152 <212> TYPE: RNA
 153 <213> ORGANISM: artificial Sequence
 W-- 154 <220> FEATURE:
 155 <222> LOCATION: 112
 156 <223> OTHER INFORMATION: pre-5 catalytic RNA
 W-- 157 <400> SEQUENCE: 12
 159 ggaucgucag ugcauugaga uuuccgcagg ccuucucacu 40
 160 aacggugggu cauggguauu ggcguuagg ggcggauacu 80
 W-- 161 acuacgcugg ugguauucac aagguuacg gaccggacu 120
 162 ucgagauucg aaucucgcu accgcagcca 149
 165 <210> SEQ ID NO: 13
 166 <211> LENGTH: 149
 167 <212> TYPE: RNA
 168 <213> ORGANISM: artificial Sequence
 OK 169 <220> FEATURE:
 170 <223> OTHER INFORMATION: pre-19 catalytic RNA
 171 <400> SEQUENCE: 13
 173 ggaucgucag ugcauugaga uuuccgcagg ccuucucacu 40
 174 aacggugggu cauggguauu ggcguuagg ggcggauacu 80
 175 acuacgcugg ugguauucac aagguuacg gaccggacu 120
 176 ucgagauucg aaucucgcu accgcagcca 149

what does "n" represent?

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Input Set : A:\PTO.txt
Output Set: N:\CRF3\12072000\I721414.raw

179 <210> SEQ ID NO: 14
180 <211> LENGTH: 150
181 <212> TYPE: RNA
182 <213> ORGANISM: artificial Sequence
W-183 <220> FEATURE:
OK 184 <223> OTHER INFORMATION: pre-8 catalytic RNA
W-185 <400> SEQUENCE: 14
187 ggauugucag ugcauugaga uuuccgcaqc ccuucucacu 40
188 aacggugggu ucauggguan ugqquuagg uqcggaugc 80
189 uacuacgcuq guuguauccu caaggguaag ggaccggaca 120
190 uucuaagauuc gaaucucgu accgcagcca 150
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 148
195 <212> TYPE: RNA
196 <213> ORGANISM: artificial Sequence
OK 197 <220> FEATURE:
W-198 <223> OTHER INFORMATION: pre-23 catalytic RNA
OK 199 <400> SEQUENCE: 15
201 ggauugucag ugcauugaga uuuccgcaqc ccuucucacu 40
202 aacggugggu ucauggguan ugqquuagg uqcggaugc 80
203 acuacgcuq guuguauccu caaggguaag ggaccggaca 120
204 cgagauucga auccucguac cgcagcca 148
207 <210> SEQ ID NO: 16
208 <211> LENGTH: 75
209 <212> TYPE: RNA
210 <213> ORGANISM: Escherichia coli
OK 211 <220> FEATURE:
W-212 <223> OTHER INFORMATION: ocrRNA
OK 213 <400> SEQUENCE: 16
215 ggugguaucc ccaaggguaa aaggaccgga uucuaaaucc 40
216 ggcauuccga gguucgauc cucquaccgc agcca 75
218 <210> SEQ ID NO: 17
219 <211> LENGTH: 160
220 <212> TYPE: RNA
221 <213> ORGANISM: artificial sequence
OK 222 <220> FEATURE:
W-223 <223> OTHER INFORMATION: H2 Leu catalytic RNA
OK 224 <400> SEQUENCE: 17
226 ggauugucag ugcauugaga uuuccgcaqc ccuucucacu 40
227 uccggugggu ucauggguan ugqquuagg uqcggaugc 80
228 aguaugcggg uquuaucuaa ggguaaagg accggauucu 120
229 aaauccggcau uccgaagguc gaaucucgu accgcagcca 160
231 <210> SEQ ID NO: 18
232 <211> LENGTH: 156
233 <212> TYPE: RNA
234 <213> ORGANISM: artificial sequence
OK 235 <220> FEATURE:
W-236 <223> OTHER INFORMATION: D1-Leu catalytic RNA
OK 237 <400> SEQUENCE: 18

RAW SEQUENCE LISTING
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Input Set : A:\PTO.txt
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239 ggauugcag uqcaugaga uagugacac aggcggggg 40
240 ugauagcga uuugagguu ugguugggg gguuagcgu 80
241 gaguucugg quqgaacca aggguaagg gaucuaaau 120
242 cgacauucc agguucgaau ccucguaccg agcca 156
245 <210> SEQ ID NO: 19
246 <211> LENGTH: 35
247 <212> TYPE: RNA
248 <213> ORGANISM: artificial sequence
OK 249 <220> FEATURE:
250 <223> OTHER INFORMATION: RNA forming a minihelix
OK 251 <400> SEQUENCE: 19
253 quqguacga quucgaau cucguaccgc agcca 35
255 <210> SEQ ID NO: 20
256 <211> LENGTH: 73
257 <212> TYPE: RNA
258 <213> ORGANISM: artificial sequence
OK 259 <220> FEATURE:
260 <223> OTHER INFORMATION: V1 variant of tRNA
OK 261 <400> SEQUENCE: 20
263 quugguaucc ccaagggua aggaccggau ucuaaaaucc 40
264 gcauucgaga uucgaauccu cguaccgcag cca 73
266 <210> SEQ ID NO: 21
267 <211> LENGTH: 75
268 <212> TYPE: RNA
269 <213> ORGANISM: artificial sequence
OK 270 <220> FEATURE:
271 <223> OTHER INFORMATION: V2 variant of tRNA
OK 272 <400> SEQUENCE: 21
274 quugguaucc ccaagggua aggaccggau ucuaaaaucc 40
275 gcauucgaga gcuacgaau ccguaccgc agcca 75
278 <210> SEQ ID NO: 22
279 <211> LENGTH: 73
280 <212> TYPE: RNA
281 <213> ORGANISM: artificial sequence
OK 282 <220> FEATURE:
283 <223> OTHER INFORMATION: V3 variant of tRNA
OK 284 <400> SEQUENCE: 22
286 quugguaucc ccaagggua aggaccggau ucuaaaaucc 40
287 gcauucgagg uucgaauccu cguaccgcag cca 73

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/721,414

DATE: 12/07/2000

TIME: 11:53:44

Input Set : A:\PTO.txt

Output Set: N:\CRF3\12072000\I721414.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:270 C: Current Application Number differs, Replaced Current Application No
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:6 M:283 W: Missing Blank Line separator, <160> field identifier
L:7 M:283 W: Missing Blank Line separator, <210> field identifier
L:11 M:283 W: Missing Blank Line separator, <220> field identifier
L:15 M:283 W: Missing Blank Line separator, <400> field identifier
L:17 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:17 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
L:18 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
M:340 Repeated in SeqNo=1
L:19 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:25 M:283 W: Missing Blank Line separator, <220> field identifier
L:27 M:283 W: Missing Blank Line separator, <400> field identifier
L:37 M:283 W: Missing Blank Line separator, <220> field identifier
L:39 M:283 W: Missing Blank Line separator, <400> field identifier
L:48 M:283 W: Missing Blank Line separator, <220> field identifier
L:50 M:283 W: Missing Blank Line separator, <400> field identifier
L:59 M:283 W: Missing Blank Line separator, <220> field identifier
L:61 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:283 W: Missing Blank Line separator, <220> field identifier
L:76 M:283 W: Missing Blank Line separator, <400> field identifier
L:78 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6
L:78 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:6
L:88 M:283 W: Missing Blank Line separator, <220> field identifier
L:90 M:283 W: Missing Blank Line separator, <400> field identifier
L:101 M:283 W: Missing Blank Line separator, <220> field identifier
L:103 M:283 W: Missing Blank Line separator, <400> field identifier
L:114 M:283 W: Missing Blank Line separator, <220> field identifier
L:116 M:283 W: Missing Blank Line separator, <400> field identifier
L:126 M:283 W: Missing Blank Line separator, <220> field identifier
L:128 M:283 W: Missing Blank Line separator, <400> field identifier
L:140 M:283 W: Missing Blank Line separator, <220> field identifier
L:142 M:283 W: Missing Blank Line separator, <400> field identifier
L:154 M:283 W: Missing Blank Line separator, <220> field identifier
L:157 M:283 W: Missing Blank Line separator, <400> field identifier
L:161 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12
L:161 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
L:169 M:283 W: Missing Blank Line separator, <220> field identifier
L:171 M:283 W: Missing Blank Line separator, <400> field identifier
L:183 M:283 W: Missing Blank Line separator, <220> field identifier
L:185 M:283 W: Missing Blank Line separator, <400> field identifier
L:197 M:283 W: Missing Blank Line separator, <220> field identifier
L:199 M:283 W: Missing Blank Line separator, <400> field identifier
L:211 M:283 W: Missing Blank Line separator, <220> field identifier
L:213 M:283 W: Missing Blank Line separator, <400> field identifier
L:222 M:283 W: Missing Blank Line separator, <220> field identifier

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Input Set : A:\PTO.txt

Output Set: H:\CRF3\12072000\I721414.raw

L:224 M:283 W: Missing Blank Line separator, <400> field identifier
L:235 M:283 W: Missing Blank Line separator, <220> field identifier
L:237 M:283 W: Missing Blank Line separator, <400> field identifier
L:249 M:283 W: Missing Blank Line separator, <220> field identifier
L:251 M:283 W: Missing Blank Line separator, <400> field identifier
L:259 M:283 W: Missing Blank Line separator, <220> field identifier
L:261 M:283 W: Missing Blank Line separator, <400> field identifier
L:270 M:283 W: Missing Blank Line separator, <220> field identifier
L:272 M:283 W: Missing Blank Line separator, <400> field identifier
L:282 M:283 W: Missing Blank Line separator, <220> field identifier
L:284 M:283 W: Missing Blank Line separator, <400> field identifier